



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038332	TWM001-VU	1	1	Net 30	M4130NT0.750W.049	4130 Round Tube .750 X .049W : MATERIAL: AISI 4130N STEEL TUBING AS PER MIL-T-6736 OR AMS 6371/6360/6361/6362 6373/6374 receive ft				100	11/20/2017	96		S010523	Stock	11/16/2017	\$ 6.00 / ft	0		\$574.01	TW Metals
		2			M304P0.675W.091	304/316 Pipe .675 OD x .091 Wall Thickness : MATERIAL: TP304/TP316 STAINLESS STEEL SEAMLESS PIPE AS PER ASTM A312/ASME SA312 receive ft				20		24		S010812	Stock	11/16/2017	\$ 5.00 / ft	0		\$118.34	TW Metals
Total:										120		119								\$692.34	

Plex 11/16/2017 3:55 PM Dart.Plouffe.Sonia

Status: Receiving

Part: **M304P0.675W.09**

Created: 11/16/17 3:54 PM DART.PLOUFFE.S



Serial No: **S010812**



O'Neal High-Performance Metals Group



**Packing
Slip**

ORDER NO.: 80893610

FROM: CHIC

PAGE 1

CUST NUMBER: 1203820 NET WGT: 13.558 REQ.DATE: 11/17/17 CONFIRMED
SOLD TO:
DART AEROSPACE LTD SHIP TO:
1270 ABERDEEN ST DART AEROSPACE LTD
HAWKESBURY ON 1270 ABERDEEN ST
CANADA HAWKESBURY ON
CN K6A 1K7 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 11/13/17
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: SHIPPING POINT FREIGHT: PREPAID
CUST ORD NO.: PO038332 IT 2 RELEASE NO.:
RECEIVING PHONE:

LINE ITEM DESCRIPTION WIDTH LENGTH
0001 38420 SMLS 304/L A-312 3/8 SCH 40 ✓ 17/24 FT

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
	20.000 FT	23.667 FT	23.667 FT	13.558	1

** 1 TEST REPORTS REQUIRED **
** 1 CERTS REQUIRED **

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00
PO:49365461 HT:11H222 PC: 1 CUSTOMER QTY: UOM
MLT:CHINA MFG:CHINA SLB/CL:LRZM39

BROKERS KUEHNE AND NAGEL LTD

AREA	TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH	LENGTH	HGHT
YRC	CRTN STRAP TO BOARD	1.000	29.000		24.1670	
		1.000	29.000			

BY: LM
RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED _____

DATE FILLED _____

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
<http://www.twmetals.com/invoice-terms.html>

SEP 11-16



O'Neal High-Performance Metals Group



Packing
Slip

ORDER NO.: 80893610

FROM: CHIC

PAGE 2

CUST NUMBER: 1203820 NET WGT: 13.558 REQ.DATE: 11/17/17 CONFIRMED
SOLD TO: SHIP TO:
DART AEROSPACE LTD DART AEROSPACE LTD
1270 ABERDEEN ST 1270 ABERDEEN ST
HAWKESBURY ON HAWKESBURY ON
CANADA CN K6A 1K7 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 11/13/17
TERMS: NET 30 DAYS 235 TUBEWAY
F.O.B.: SHIPPING POINT CAROL STREAM IL 60188
CUST ORD NO.: PO038332 IT 2
VIA: COMMON CARRIER
FREIGHT: PREPAID
RELEASE NO.:
RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Authorized Test Report Clerk *Luziraida Matos* Date: 11/13/17

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

1
THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
<http://www.twmetals.com/invoice-terms.html>

PG#m49365461 AG- 2116117

MILL INSPECTION CERTIFICATE

EN 10204 3.1

CHANGSHU WALSHIN SPECIALTY STEEL CO., LTD.

CUSTOMER:		TA CHEN STAINLESS PIPE CO., LTD.																															
DATE:		2015/08/64																															
COMMODITY:		STAINLESS STEEL SEAMLESS PIPES																															
DELIVERY CONDITION:		COLD FINISHED SOLUTION ANNEALED AND PICKLED																															
HEAT NO.: 11H222		SPECIFICATION: ASTM A312-4/A376-13/ASME SA312-13/SA 376-13																															
CERTIFICATE NO.: 2015080425308025																																	
GRADE: TP304/304L																																	
CHEMICAL COMPOSITION (WT%)																																	
C	Si	Mn	P	S	Ni	Cr	Mo	N	Cu	Ti	Nb	Co	V	B	Al	Sb	Pb	As	Sn	Fe	Bi	Zr	Hf					Ferrite content					
min	0.000	0.000	0.000	0.000	0.000	8.000	18.000																										
max	0.035	0.150	2.000	0.045	0.030	11.000	20.000																										
RESULTS		0.024	0.370	0.500	0.033	0.001	8.060	18.160																									
SIZE		PACKAGE NO.		PIECES		WEIGHT		TS		YS		EL		HARDNESS		FLATTENING TEST		FLARING TEST		I.C. TEST		PITTING CORROSION (mg/dm ² /day)		GRAIN SIZE		LOI No.		HYDROSTAT I.C. TEST MPa		EDDY CURRENT TEST		ULTRASONIC TEST	
NPS(OD) x WT(SCH)(PL)(G/mm)		NO.				FI		MPa		0.2% MPa		1% MPa		HRB						ACCEPTABLE		ACCEPTABLE		/		/		/		/		/	
3" X MS-6066-7315		T429-73		401		2372.57		596		252753		61564		7575		/		/		/		/		/		/		/		/		/	
TOTAL:				401		2372.57		556																									
REMARK:																																	
AS PER ASTM A312/A376/ASME SA312-13/SA 376-13/ASTM A999-15																																	
NAME: J00175206																																	
LENGTH: 2024FT																																	
AS PER PERFORMANCE VOICE NO.15119-5																																	
I.C. TEST PER ASTM A262-03a E NDT-P1491/G NLT-P1144D																																	
NO REPAIR BY WELDING																																	
MATERIAL FREE FROM MERCURY CONTAMINATION																																	
COUNTRY OF ORIGIN: CHINA																																	
ET STANDARD PRACTICE: ASTM D6																																	
REFERENCE DISCONTINUITY: DRILLED HOLE																																	
WATER QUENCHED ANEALING TEMPERATURE: 1000°C																																	
MATERIAL COMPLIANT WITH ROHS DIRECTIVE 2002/95/EC																																	
FREE OF RADIATION																																	

QUALITY MANAGER

ADDRESS: 2# HAIYANG ROAD, HAIYU TOWN, CHANGSHU CITY, JIANGSU PROVINCE, CHINA 215519 TEL: (0512) 52561518 / 52566260 FAX: +86-512-52563027

WVCS-OP-T24-06

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304PO.675W.091

PO / BATCH NO.: 038332/5010812

DATE: NOV 30 2017

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .675
 THICKNESS RECEIVED: .675
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	N	Small Bond in midale Bar / acceptable PD.
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	<input checked="" type="checkbox"/>	N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	Astm A312
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	Heat # 11H222
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u> DAS 9	SIGNED OFF BY: _____	
DATE: <u>NOV 30 2017</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: TP304/TP316 STAINLESS STEEL SEAMLESS PIPE

SPECIFICATION: ASTM A312

ASME SA312

PART NUMBER: M304PD.DDD|W|TTT

OD | WALL THICKNESS

WHERE "D.DDD" = OUTSIDE DIAMETER IN INCHES PER NPS DESIGNATION (REF TABLE 1)
AND "TTT" = WALL THICKNESS IN INCHES PER PIPE SCHEDULE (REF TABLE 1)

EG. 3/8 SCHEDULE 40 PIPE = M304PD.675W.091

TABLE 1: DIMENSIONS OF NPS PIPE (REF ANSI B36.10/19)

NPS Designation	Outside Diameter (in)	Pipe Schedule Wall Thickness (in)	
		SCHEDULE 40	SCHEDULE 80
1/8	0.405	0.068	0.095
1/4	0.540	0.088	0.119
3/8	0.675	0.091	0.126
1/2	0.840	0.109	0.147
3/4	1.050	0.113	0.154
1	1.315	0.133	0.179
1-1/4	1.660	0.140	0.191
1-1/2	1.900	0.145	0.200
2	2.375	0.154	0.218
2-1/2	2.875	0.203	0.276
3	3.500	0.216	0.300
3-1/2	4.000	0.226	0.318
4	4.500	0.237	0.337

RELEASED

2017 JUN 19
ECN 17-596

APPROVED

A	REV.	NEW ISSUE	DESCRIPTION	CP	BY	DATE
DESIGN	DRAWN	CP	DART AEROSPACE LTD	CP		17.02.24
CHECKED		CP	HAWKESBURY, ONTARIO, CANADA	CP		
MFG. APPR.		ML	DRAWING NO.	ML		REV. A
APPROVED		DD	M304P	DD		SHEET 1 OF 1
DE APPR.		WM	TITLE	WM		SCALE
DATE		CP	304/316 PIPE	CP		NTS

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Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038332

Supplier: TWM001-VU
TW Metals
PO Box 933014
Atlanta, GA 31193-3014 USA
Phone: 585 768 5600
Fax: 585 768 5601

PO No: PO038332
PO Date: 11/10/17
Due Date: 11/20/17
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

E-MAILED
NOV 18 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items										
Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Unit Price (USD)	Extended Price
1	M4130NT0.750W.049		4130 Round Tube .750 X .049W : MATERIAL: AISI 4130N STEEL TUBING AS PER MIL-T-6736 OR AMS 6371/6360/6361/6362 6373/6374 receive ft		Firmed	11/20/17	100 ft		\$6.00/ft	\$600.00
2	M304P0.675W.091		304/316 Pipe .675 OD x .091 Wall Thickness : MATERIAL: TP304/TP316 STAINLESS STEEL SEAMLESS PIPE AS PER ASTM A312/ASME SA312 receive ft		Firmed	11/20/17	20 ft	0 ft	\$5.00/ft	\$100.00
Grand Total:										\$700.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/10/17 1:56 PM dart.lavoie.chantal